Possible Bipartition (View)

We want to split a group of n people (labeled from 1 to n) into two groups of **any size**. Each person may dislike some other people, and they should not go into the same group.

Given the integer n and the array dislikes where dislikes[i] = [a_i, b_i] indicates that the person labeled a_i does not like the person labeled b_i, return true *if it is possible to split everyone into two groups in this way*.

Example 1:

Input: n = 4, dislikes = [[1,2],[1,3],[2,4]]
Output: true
Explanation: group1 [1,4] and group2 [2,3].

Example 2:

Input: n = 3, dislikes = [[1,2],[1,3],[2,3]]
Output: false

Example 3:

Input: n = 5, dislikes = [[1,2],[2,3],[3,4],[4,5],[1,5]]
Output: false

Constraints:

- 1 <= n <= 2000
- 0 <= dislikes.length <= 10^4
- dislikes[i].length == 2
- 1 <= dislikes[i][j] <= n
- a_i < b_i
- All the pairs of dislikes are **unique**.